

# 2015 Annual Report on Oil and Gas Activities

State Oil and Gas Council Meeting  
April 20, 2016

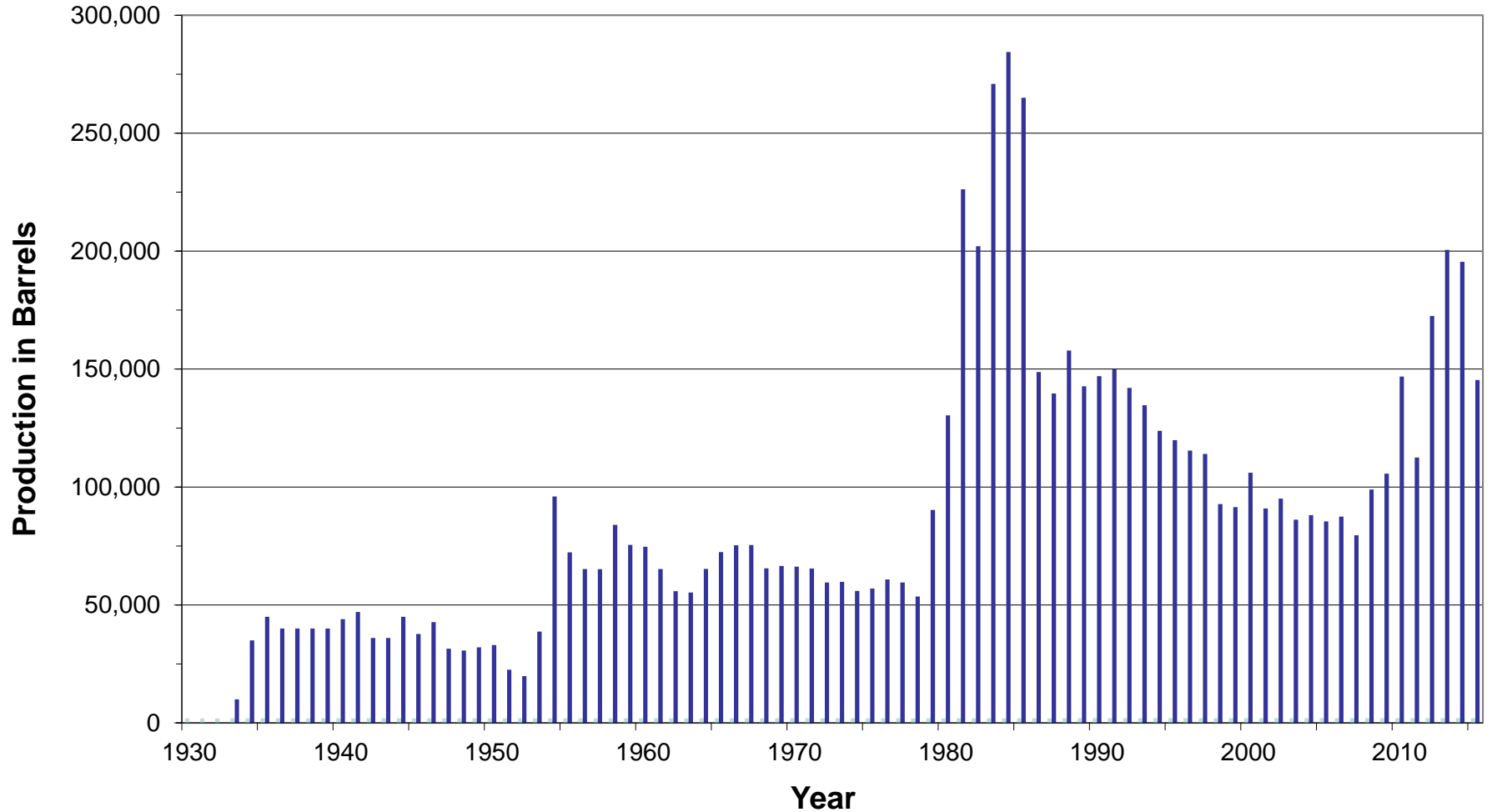
# Oil Production in 2015

- **523** active producing oil wells in 2015
- **147,359** barrels of oil produced
- Valued at about **\$5.7 million**
- Price per barrel ranged **\$24.00 – \$53.30**
- Currently produced in 5 counties
- 20 companies operated in 2015
  - Currently 16 producing companies

# Average Price for Missouri Oil

- Average price per barrel in 2015 - \$38.71  
(↓~47%) (ranging from \$24.00 to \$53.30)
- Average price per barrel in 2014 - \$82.38  
(↓~7%) (ranging from \$45.50 to \$98.20)
- Average price per barrel in 2013 - \$86.82  
(↑~6%) (ranging from \$75.74 to \$91.32)
- Average price per barrel in 2012 - \$83.22  
(↓~4%) (ranging from \$69.07 to \$94.22)
- Average price per barrel in 2011 - \$86.94  
(↑~25%) (ranging from \$71.28 to \$102.61)

# Historic Oil Production

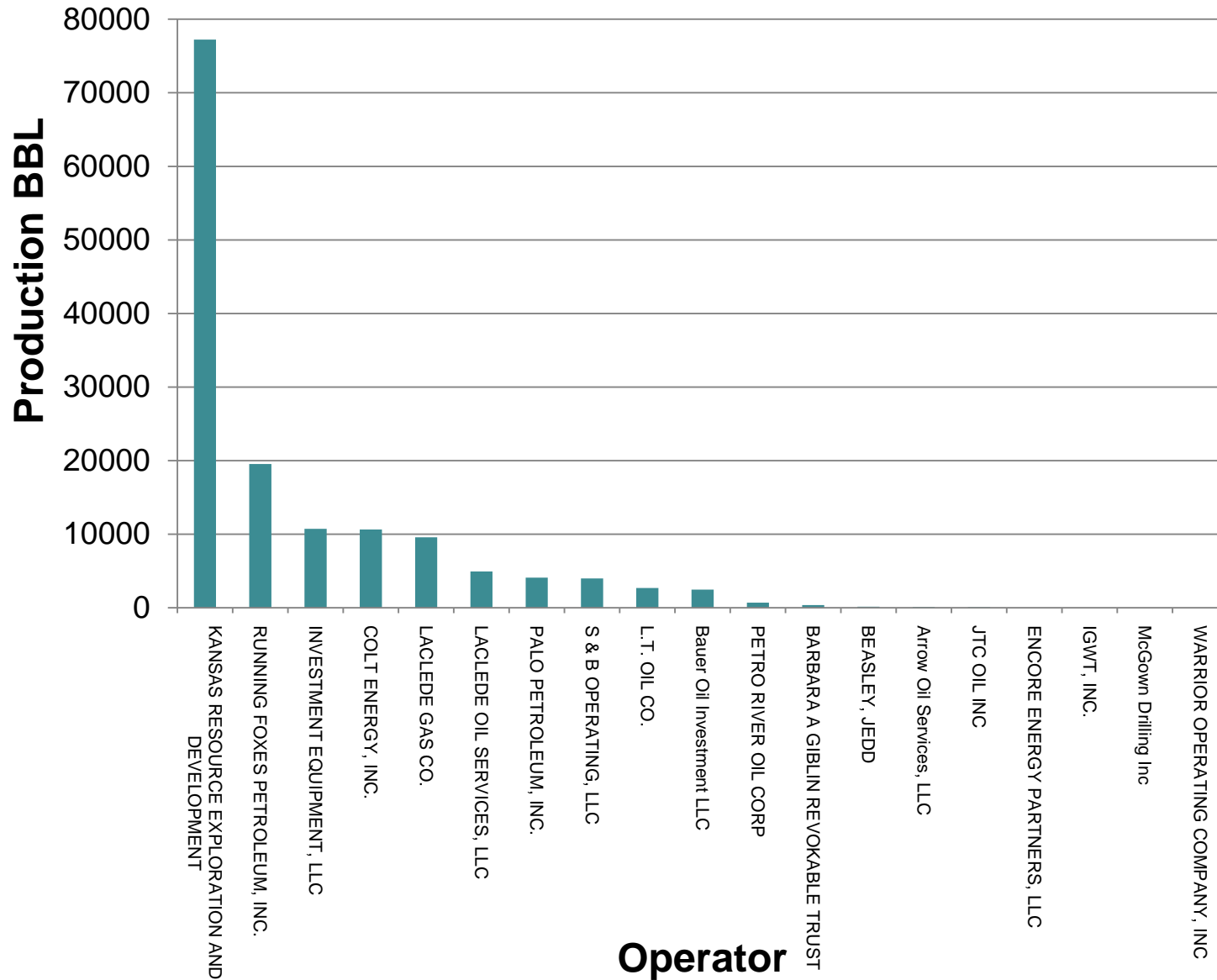


# 2015 Crude Oil Production by Operator

Operator	BBLs of Oil	Percent of Total Production
KANSAS RESOURCE EXPLORATION AND DEVELOPMENT	77,236.89	52.41
RUNNING FOXES PETROLEUM INC.	19,539	13.25
INVESTMENT EQUIPMENT LLC	10,736	7.28
COLT ENERGY INC.	10,647.89	7.22
LACLEDE GAS CO.	9,574.47	6.49
LACLEDE OIL SERVICES LLC	4,941.33	3.35
PALO PETROLEUM INC.	4,097.49	2.78
S & B OPERATING LLC	3,991.6	2.70
L.T. OIL CO.	2,687.63	1.82
BAUER OIL INVESTMENT LLC	2,478.07	1.68
PETRO RIVER OIL CORP	706	0.47
BARBARA A GIBLIN REVOKABLE TRUST	363	0.24
BEASLEY, JEDD	149	0.10
ARROW OIL SERVICES LLC	117	0.07
JTC OIL INC.	94	0.06
ENCORE ENERGY PARTNERS LLC	0	0
IGWT INC.	0	0
MC GOWN DRILLING INC.	0	0
WARRIOR OPERATING COMPANY INC.	0	0

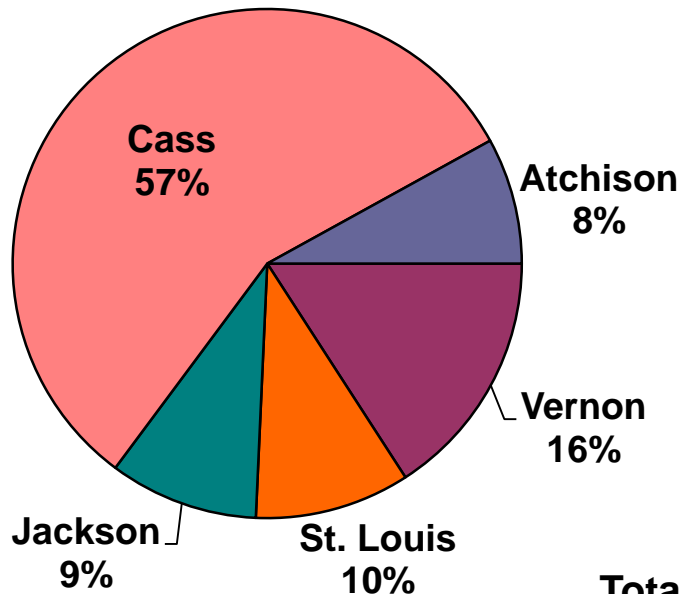
**2015 Total Crude Oil Production – 147,359.37 bbls**

# 2015 Crude Oil Production by Operator



# 2015 Oil Producing Counties

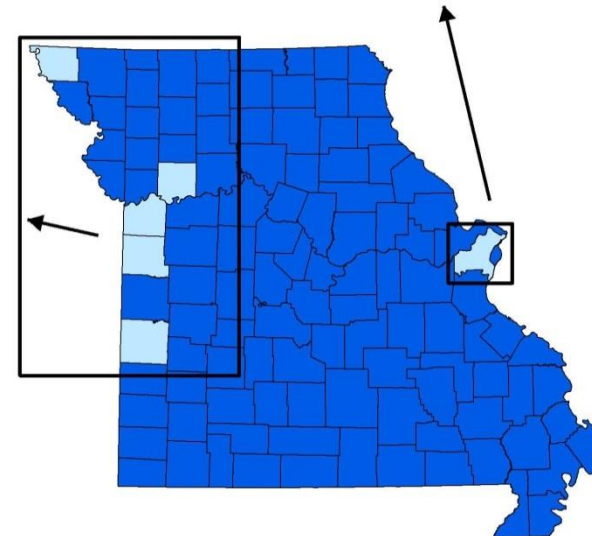
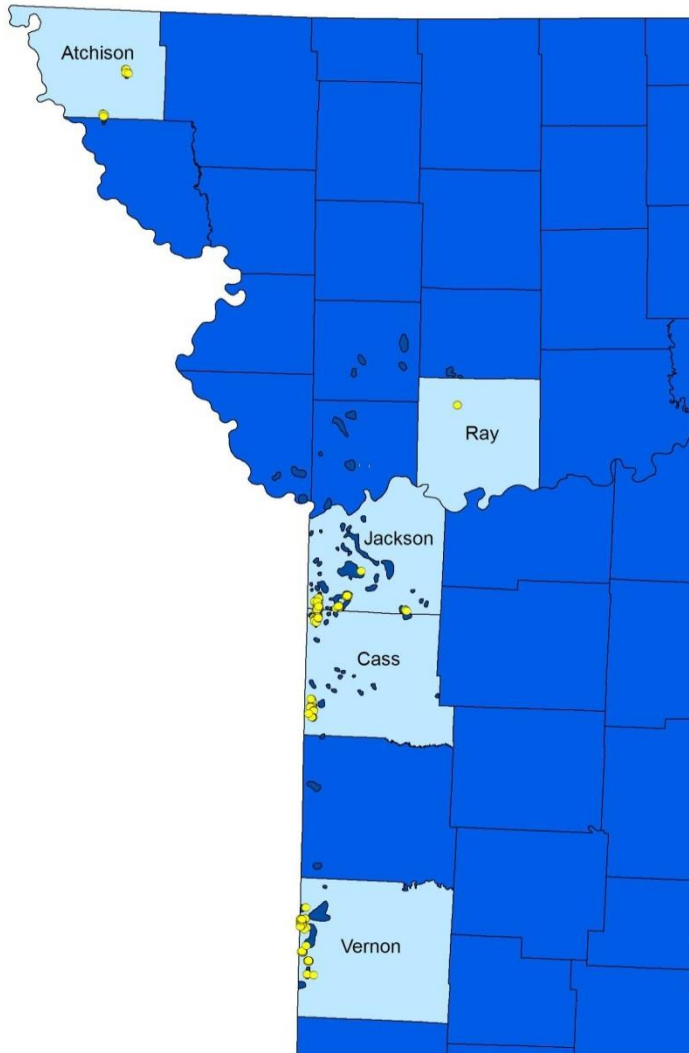
County	BBLs of Oil	Oil Production Value (\$)
Atchison	11,817	\$ 434,899.36
Cass	83,706.6	\$ 3,336,944.52
Clinton	0	0
Jackson	13,941.5	\$ 558,053.97
Ray	0	0
St. Louis	14,515.8	\$ 607,840.24
Vernon	23,378.5	\$ 852,695.68



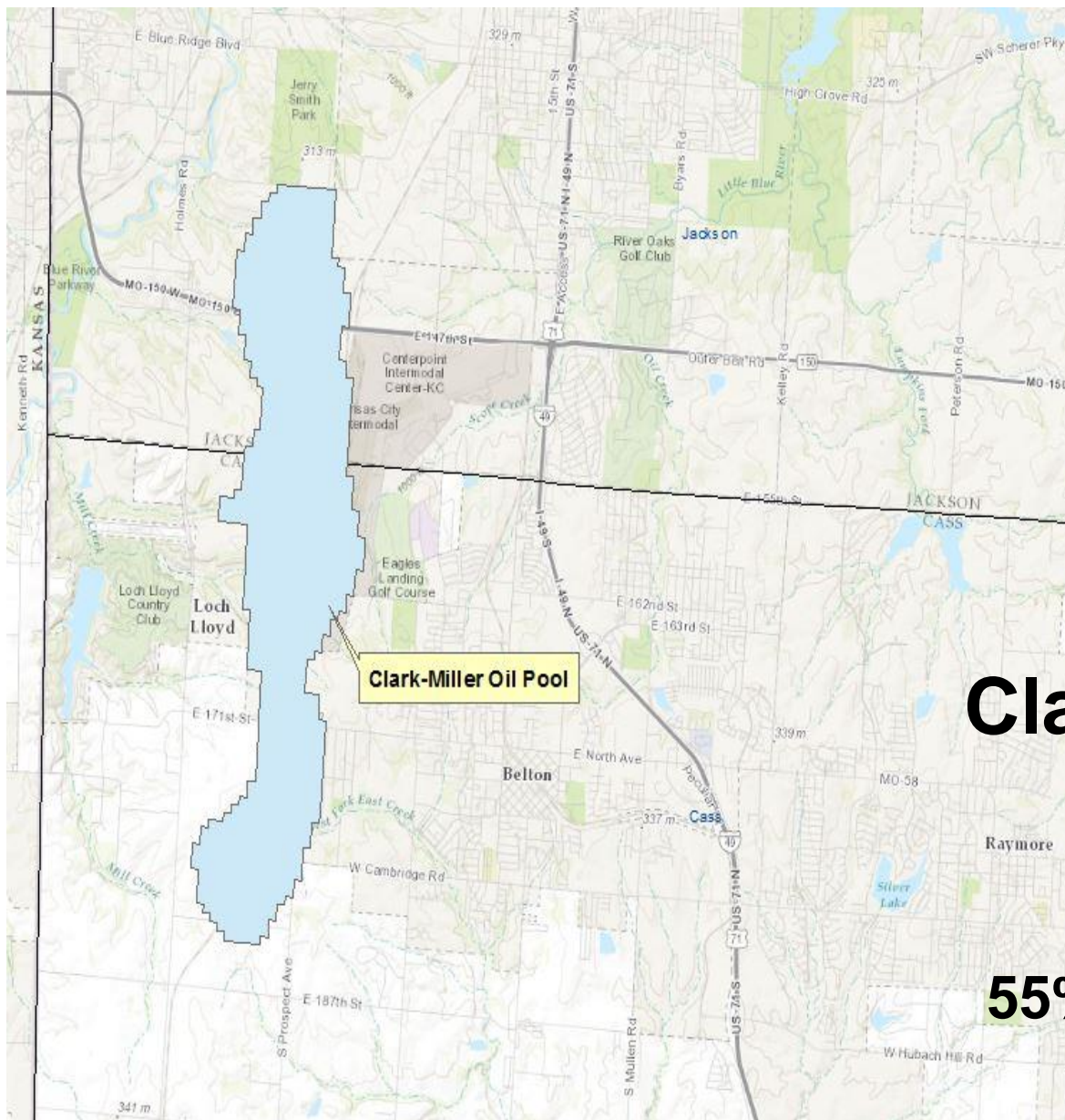
Total Production 147,359 bbls

Total Value \$5.79 Million

# Oil Producing Counties and Known Fields







# Cass Co.

# Missouri's Top Oil Producing County

**83,706 bbls**

# 57% of the total oil produced in Missouri

# Clark-Miller Oil Pool

# Missouri's Top Oil Producing Pool

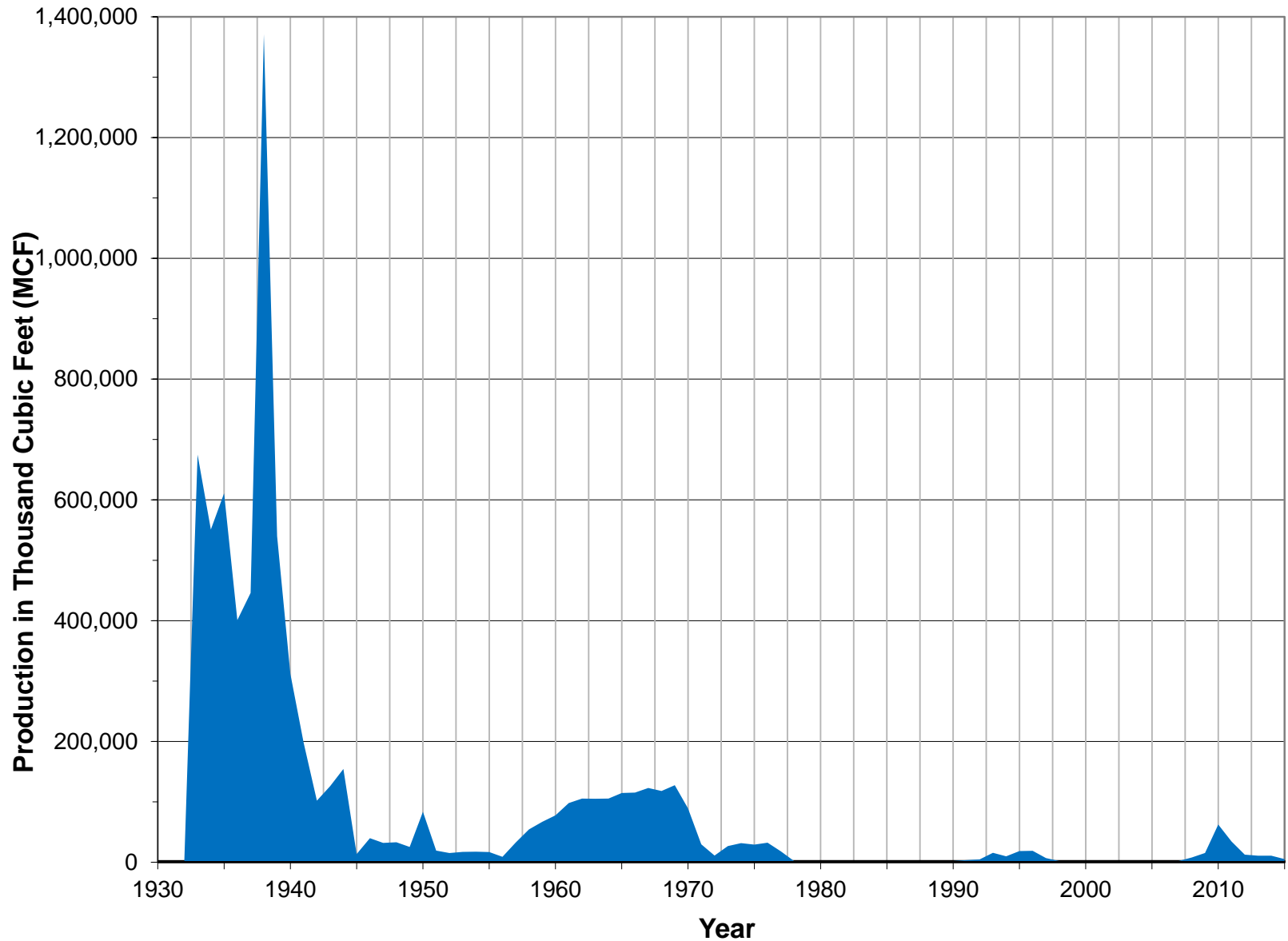
**81,229 bbls**

# 55% of total oil produced in Missouri

# Commercial Gas Production

- **7** active producing commercial gas wells in 2015
- More than **3,175** MCF of gas produced
- Valued at over **\$8,350**
- Price per MCF averaged **\$2.63**
- **59%** in Vernon County, **41%** in Clinton
- **2** active companies
- **0** inactive companies

# Historic Commercial Gas Production



# Missouri's Private Gas Wells

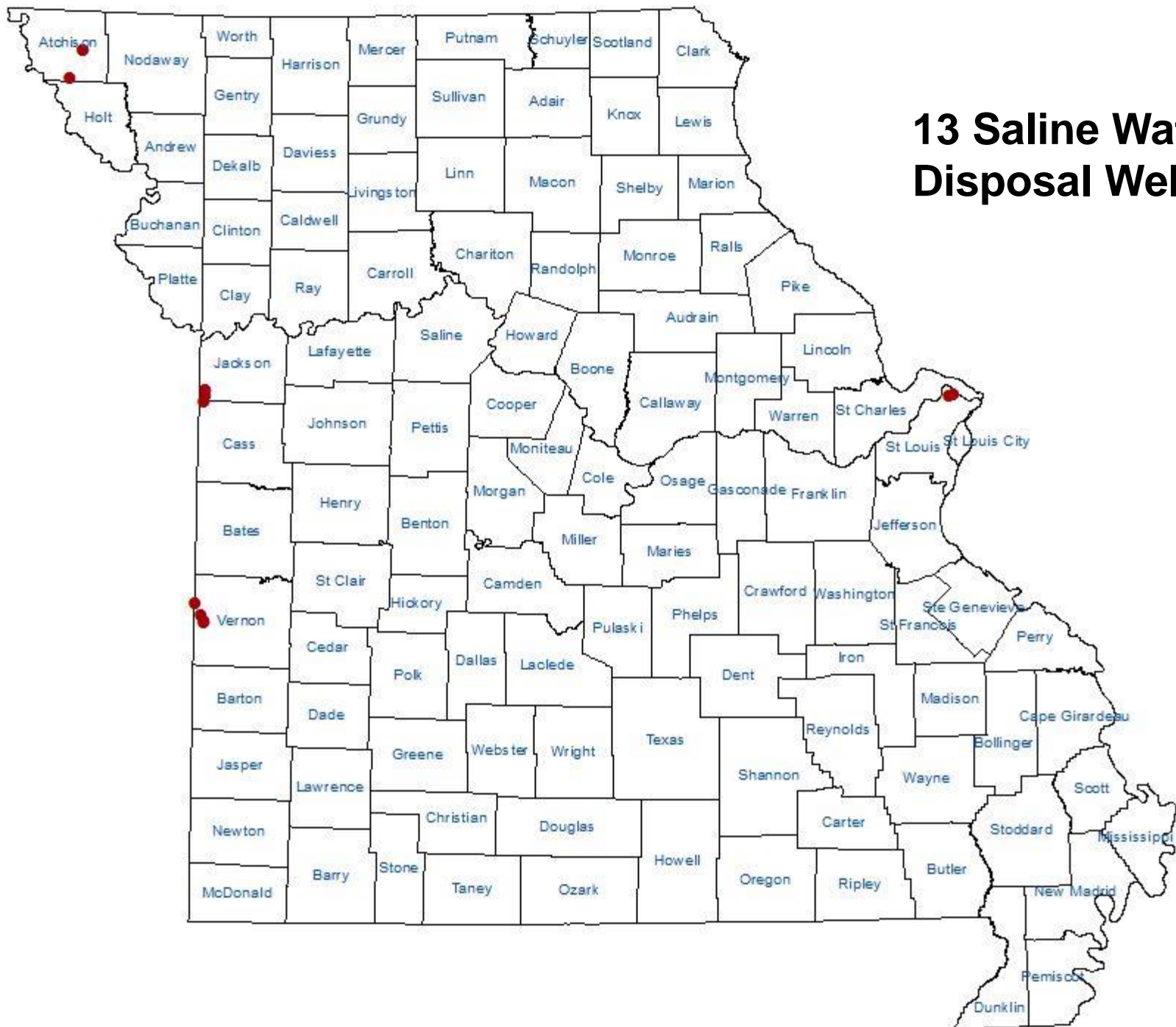
- 464 private gas wells
- **52** are active
  - 33 are in Cass County
- Five (5) counties have Active private gas wells
  - Cass, Clay, Clinton, Platte and Jackson
- Production reporting is exempted



# Class II Injection Wells

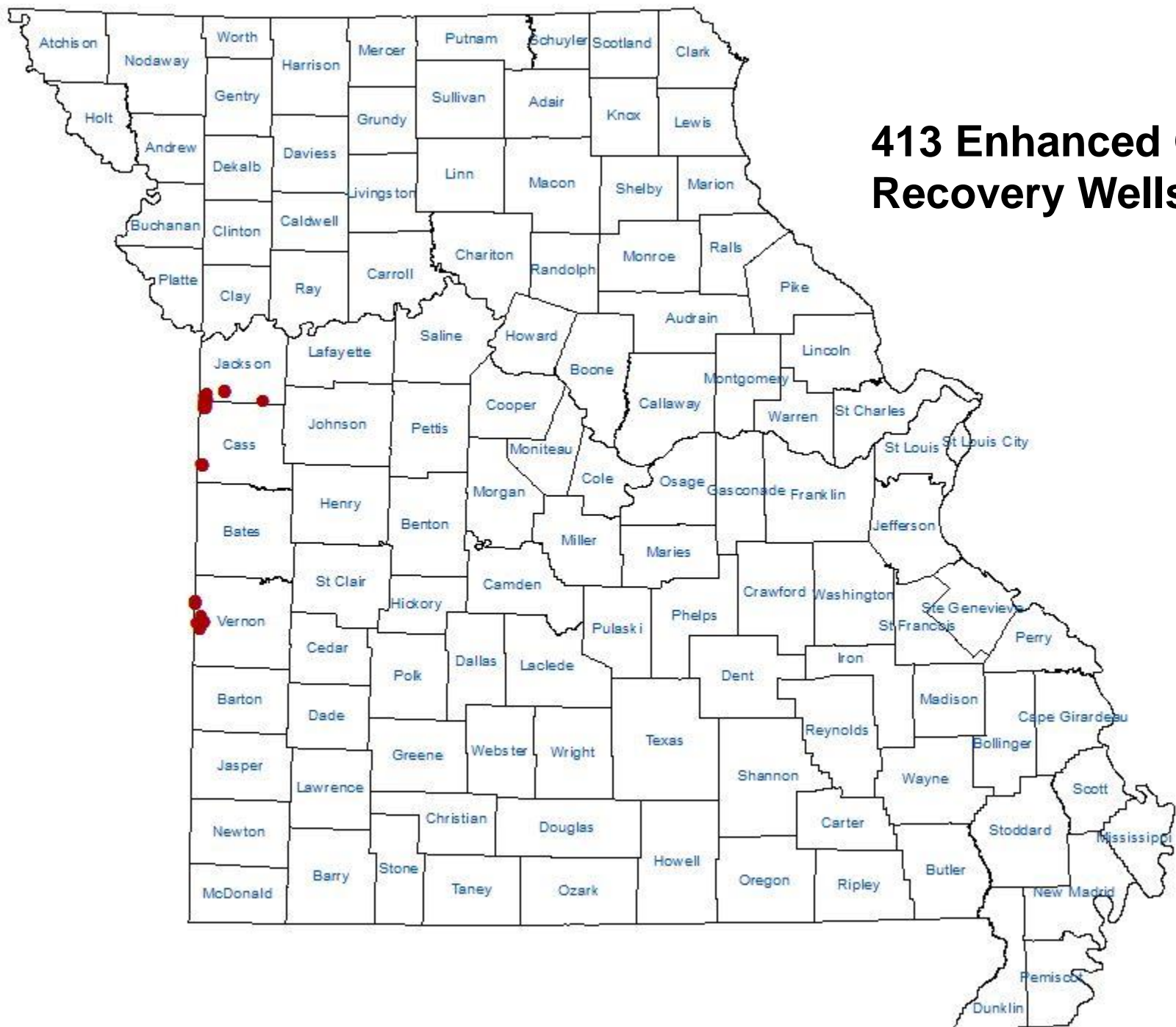
- Wells that inject fluids in connection with oil/gas production
  - Disposal of produced salt water
  - Injection of fluids for enhance recovery
- Missouri has **488** Class II wells
  - Saline Water Disposal – 13
  - Enhanced Oil Recovery – 413
  - Abandoned Class II wells – 63





## 13 Saline Water Disposal Wells

## 413 Enhanced Oil Recovery Wells

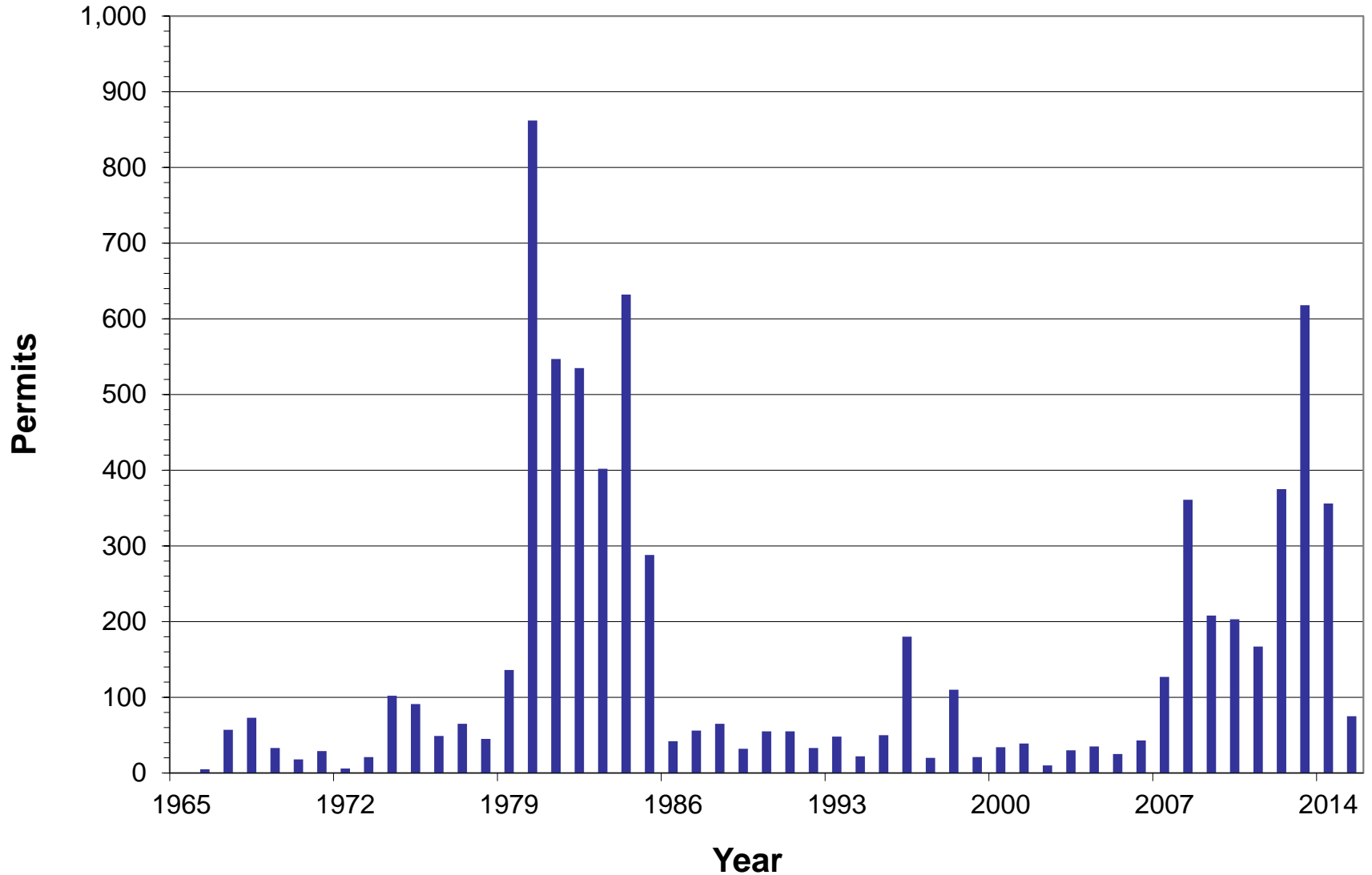


# 2015 Permits Issued

- **Jackson Co. (29)**
  - 1** **Corner Stone, Lee's Summit**
  - 2** **Colt Energy**
  - 26** **JTC Oil**
- **Vernon Co. (44)**
  - 1** **Running Foxes Petroleum**
  - 21** **Arrow Oil Services**
  - 22** **Murchison Oil & Gas Inc.**
- **Atchison Co. (2)**
  - 2** **Running Foxes Petroleum**
- **Total Permits – 75**



# Historic Permitting



# 2015 Well Permits by Type

Well Type	Total	Active	Under Construction	Shut-in	Temporarily Abandoned	Plugged	Cancelled
Oil Production	52	24	0	0	0	1	27
Injection EOR	5	0	0	0	0	0	0
Injection SWD	1	0	0	0	0	0	0
Stratigraphic Test	17	0	0	0	0	17	0
Observation	0	0	0	0	0	0	0
Private Gas	1	0	0	0	0	0	0
Commercial Gas	0	0	0	0	0	0	0
Area Permits	5	0	0	0	0	0	0
Total	75	24	0	0	0	18	27

# Wells Plugged

(oil/gas/injection/stratigraphic test)

2011	Wells Plugged	34
2012	Wells Plugged	44
2013	Wells Plugged	348
2014	Wells Plugged	354
<b>2015</b>	<b>Wells Plugged</b>	<b>139*</b>

\*16 plugged with Oil and Gas remedial funds

# 2015 Mechanical Integrity Tests and Lease Visits

- MITs were performed on **126** wells
- MGS staff witnessed **43** (34%) of all MITs conducted
- **21** lease visits were performed
- Prepped and plugged **16** abandoned wells with Oil and Gas remedial funds
- Responded to more than **1,276** oil/gas phone calls and inquiries

# 2015 Enforcement Actions

• Compliance Assistance Letters	21
• Letters of Warning	13
– Cases started at LOW	3
• Notice of Violations	6
• Total Cases	24
– Resolved cases	19
– Resolved at CA letter	10

# Missouri Total Open Wells

		Number of wells
Total Open Wells		6,231
	Post-Law Wells	1,540
	Pre-Law Well	4,691
Abandoned wells		4,955
	Post-Law Commercial	394
	Post-Law Private Gas	8
	Pre-Law Commercial	4,156
	Pre-Law Private Gas	397
<b>79.5%</b> of all open wells are abandoned		
<b>91.8%</b> of all abandoned wells are commercial wells		
		As of 3-16-2016

Oil and Gas Remedial Fund  
Balance on 03/15/15

**\$8,879**

Total Bonding Held as of 03/15/15

**\$1,596,297**

# Comparison of 2014 to 2015

	2014	2015
Active Oil Wells	601	523
Oil Production in bbl	195,481	147,359
Average Price/bbl	\$82.38	\$38.71
Total Oil Value*	\$16,500,000	\$5,790,433
Active Gas Wells	7	7
Gas production in MCF	8,777	3,175
Average Price/MCF	\$4.13	\$2.63
Total Gas Value*	\$36,249	\$8,350
Permits	359	75
MITs Performed	20	126
MITs Witnesses	12	43
Leases Inspected	9	21
Phone Inquiries	1,229	1,276
* Total commodity value based on price at which commodity was sold, not the average commodity price		





**MISSOURI**  
DEPARTMENT OF  
NATURAL RESOURCES

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# Questions?

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